2.0 System Requirements

Pearson Education, Inc.

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1 Overview

The Pearson® SuccessMaker® product has an innovative approach to courseware that provides standards-aligned content and reporting, student activity assignment by objective, and content leveling based on current grade-specific pedagogy.

The SuccessMaker curriculum aligns with national and state standards for reading and math grades K–8.

This document describes the deployment configurations that SuccessMaker 2.0 supports and the system requirements needed to support those configurations.

Based on current hardware and software technologies, Pearson has determined that the system requirements listed in this document will deliver acceptable operation and performance. Your site's actual performance may vary due to different configurations, including the following:

- Server application load
- Available network bandwidth
- Client security configuration
- Number of concurrent users
- Courseware usage
- Other variables

Technology advances and changes can significantly impact system requirements. If you have questions regarding the suitability of your specific computing environment, contact your Pearson Sales Representative or Pearson Technical Sales Engineer.

2 Deployment Models

Stand-alone Configuration

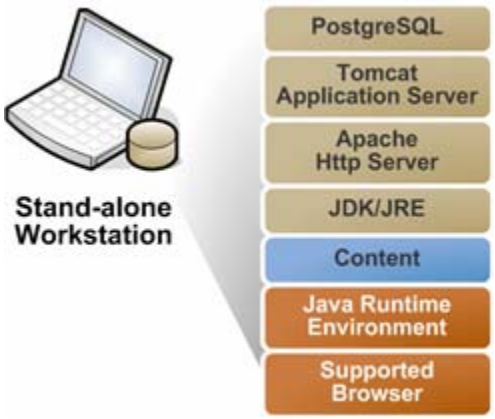
The Stand-alone configuration is designed for one workstation to act as the client and the server at the same time.

Stand-alone Requirements

The Stand-alone configuration supports:

- All users sharing the same computer when accessing the management, teacher, or student interfaces
- Courseware content accessible from the local hard disk drive
- Full management system capability
- Windows® XP or Windows Vista®

Figure 1. Stand-alone Configuration



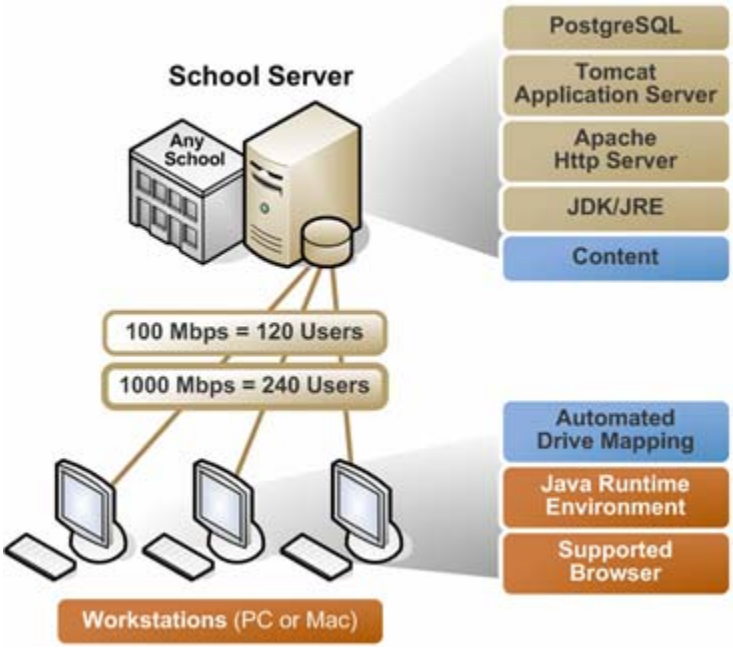
School Configuration

The school configuration is designed for multiple workstations that are connected to a single server. The School configuration is the standard model for SuccessMaker. In this configuration, the server hosts the Management System, Content, and Database. The workstations require a drive mapped to the Content, a Java Runtime Environment (JRE™), and a supported browser to run the SuccessMaker product.

The School configuration supports:

- A maximum of 120 concurrent users per server with 100 MB Network Interface Card
- A maximum of 240 concurrent users per server with 1 GB Network Interface Card
- A server on a local area network or wide area network; this is dependent on your bandwidth
- Full management system capability

Figure 2. School Configuration



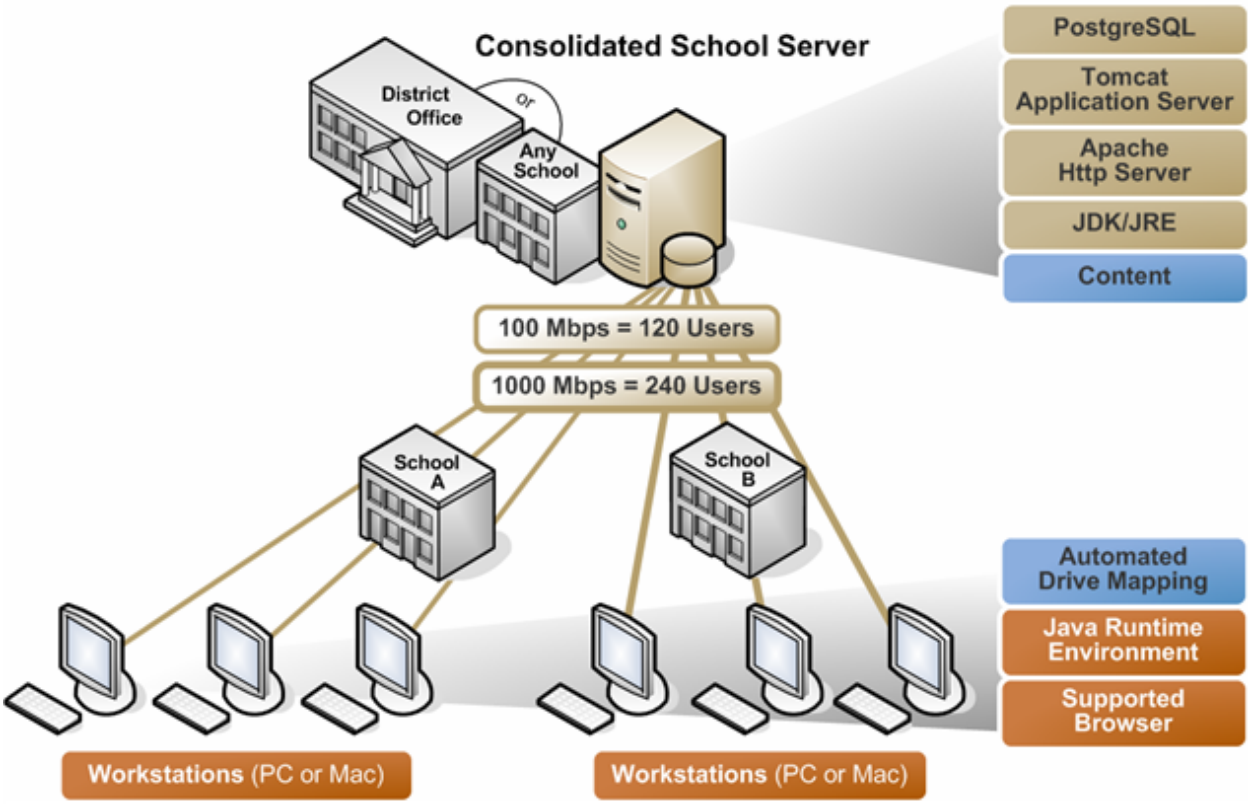
Consolidated School Configuration

The Consolidated School configuration is designed for multiple schools that connect to a shared SuccessMaker server.

The Consolidated School configuration supports:

- Multiple schools on a single server
- Student and license transfer between schools
- A maximum of 120 concurrent users per server with 100 MB Network Interface Card
- A maximum of 240 concurrent users per server with 1 GB Network Interface Card
- A server on a local area network or wide area network; this is dependent on your bandwidth
- Full management system capability

Figure 3. Consolidated School Configuration



3 Server Requirements

School and Consolidated School Configuration Requirements

This chapter describes the configuration requirements for both the school and consolidated school configurations.

These specifications are intended strictly as a guideline. They were developed in an environment free from network congestion, resource contention, and aggressive security measures.

Network Bandwidth Requirements		
Bandwidth	100 MB	1 GB
Maximum concurrent student licenses supported	120	240

Network Platform	Recommended
Server Operating System:	
• Microsoft® Windows 2003 SP2* • Microsoft Windows 2003 R2 SP2* • Microsoft Windows 2008 SP2* • Mac OS X server 10.4.x or 10.5.x** • Novell® Open Enterprise 2 *Microsoft-certified server required **Only Apple Xserve or Mac Pro servers are supported NOTE: SuccessMaker supports Microsoft Windows 32-bit and 64-bit server operating systems. SuccessMaker will install 32-bit applications on a 64-bit server operating system.	**Windows and Novell servers:** 3.0 GHz Intel® Xeon® Quad-Core processor **Mac server**: 2.66 GHz Quad-Core processor **Memory:** 4 GB **Hard disk drive**: 100 GB of free space available **Approximate allocation:** • SuccessMaker: 10 GB • DB: 20 GB • User Assets: 10 GB • Backup: 60 GB
Network Protocol	Static TCP/IP address
DVD	A DVD drive capable of reading dual-layer discs is required for the installation
Hard Disk Subsystem	• SCSI or SAS • RAID 0, 0+1, or 5

4 Client Workstation Requirements

This chapter describes the requirements needed for client workstations running the SuccessMaker application. Client workstations may reside in the classroom or labs. Any client platform may be used with any of the server platforms.

The client workstation requires:

- A supported web browser
- A supported Java™ Applet within a browser
- Drive mapping to the Content
- Adobe® Flash® plug-in for viewing Learning Objectives using the management system
- Adobe Reader® for viewing reports in PDF format

The client workstation can also be used to deploy the SuccessMaker application in a stand-alone configuration for Windows clients only. In the stand-alone configuration, the workstation is required to run all of the previously listed applications, plus the following:

- Apache HTTP server
- Apache Tomcat®
- Java Development Kit (JDK)/JRE
- Pearson Learning Management System
- Pearson MAMA client
- PostgreSQL

Windows Client Workstation and Stand-alone Workstation Requirements

This section describes the recommended requirements for the Windows stand-alone workstation and the Windows client workstation.

These specifications are intended strictly as a guideline. They were developed in an environment free from network congestion, resource contention, and aggressive security measures.

PC Platform	Recommended
Desktop Operating System:	
• Windows XP Professional SP3	**Processor:** 3.0 GHz Intel Pentium® processor **Memory:** 1 GB **Stand-alone:** Memory: 2 GB
• Windows Vista SP2	**Processor**: 3.0 GHz Intel Pentium processor **Memory:** 2 GB **Stand-alone:** Memory: 4 GB
Storage	**Client:** 1 GB of temporary storage available **Stand-alone:** 20 GB of free space available
Monitor Resolution	1024 x 768
Audio	Any Creative Labs or 100% compatible sound card
Network Protocol	TCP/IP
DVD (for stand-alone only)	A DVD drive capable of reading dual-layer discs is required for the installation
Headphone/Microphone (Fluency Recording)	• Koss CS100 stereo headphones with integrated microphone or comparable • Califone 3066AV or 3066-USB deluxe multimedia stereo headset with integrated microphone or comparable • A headphone with an external volume control is recommended
Internet Browser	• Microsoft Internet Explorer® 6 with Service Pack 2 • Microsoft Internet Explorer 7 (32-bit only) • Adobe Flash plug-in (teacher station only)
Additional Software	• Adobe Reader 8 or later (teacher station only) • JRE 1.5.x or 1.6.x
Printer	Any inkjet or laser printer supported by the operating system (color optional)

Mac OS X Client Workstation Requirements

This section describes the recommended requirements for the Mac client workstations.

These specifications are intended strictly as a guideline. They were developed in an environment free from network congestion, resource contention, and aggressive security measures.

Mac Platform	Recommended
Desktop Operating System:	
• Mac OS X 10.4.x***** • Mac OS X 10.5.x***** *Version 2.0 does not support a Mac stand-alone	***Power PC*** **Processor:** 2.0 GHz G5 processor **Memory:** 1 GB **Storage:** 1 GB of temporary storage available ***Intel*** **Processor** 2.0 GHz processor **Memory:** 1 GB **Storage:** 1 GB of temporary storage available
Monitor Resolution	1024 x 768
Audio	Built-in
Network Protocol	TCP/IP
Headphone/Microphone (Fluency Recording)	• Koss CS100 stereo headphones with integrated microphone or comparable (Griffin iMic USB audio adapter required) • Califone 3066-USB deluxe multimedia stereo headset with integrated microphone • A headset with an external volume control is recommended
Internet Browser	• Safari® 2.x or 3.x for 10.4.x • Safari 3.x for 10.5.x • Adobe Flash plug-in (teacher station only)
Additional Software	• Adobe Reader 8 or later (teacher station only) • JRE 1.5.x or 1.6.x
Printer	Any inkjet or laser printer supported by the operating system (color optional)

Appendix

SuccessMaker and SuccessMaker Enterprise Single Server Deployment Guidelines

Configuration recommendations and guidelines for deploying both SuccessMaker products on a single server are detailed below. Most situations encountered in the pre-sales process are addressed. However, there always will be exceptions. In those instances, you must consult with a Pearson Sales Engineer (SE).

The SuccessMaker Release 2.0 software can reside on the same server and operate in parallel with SuccessMaker Enterprise. See the Configuration Requirement Table on page 5 for hardware requirements.

Use the following guidelines when planning for concurrent usage:

- 100 MB switched supports up to 120 students combined concurrently across both product lines
- 1000 MB switched supports up to 240 students combined concurrently across both product lines
- If you plan to have more than 240 concurrent users, have your Sales Engineer review and approve your configuration.

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